Problem 4: Caught Speeding

Points: 10

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Problem Background

You are driving a little too fast, and a police officer pulls you over. He needs to determine how big your speeding ticket should be; fortunately for you, he's decided to give you a bit of a break if it happens to be your birthday.

Problem Description

Your program should compute the ticket you are going to receive based on the speed you were travelling:

- If your speed is 60 or less, you don't get a ticket.
- If your speed is between 61 and 80 inclusive, you get a small ticket.
- If your speed is 81 or higher, you get a big ticket.

If today is your birthday, all of these numbers are increased by 5 (for example, you can drive up to 65 without getting a ticket).

Sample Input

The first line of your program's input, **received from the standard input channel**, will contain a positive integer representing the number of test cases. Each test case will consist of a single line, including two values separated by spaces:

- A positive integer representing your speed
- The word "true", indicating today is your birthday, or the word "false", indicating it is not.

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60 false
82 false
83 true

Sample Output

For each test case, your program must print a single line, as follows:

- Print "no ticket" if you do not receive a ticket
- Print "small ticket" if you receive a small ticket
- Print "big ticket" if you receive a big ticket

no ticket
big ticket
small ticket